

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Applicant: Schrenkel et al.

Attorney Docket No: 89.0493

Serial No:

Art Unit:

Filed:

Examiner:

For: Production Profile Determination and Modification System

**Assistant Commissioner for Patents
Washington, DC 20231**

POWER OF ATTORNEY

As the owner of the above-referenced patent application, I hereby appoint the following registered practitioners to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

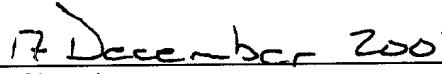
Jeffrey E. Griffin, 36,534
Jaime A. Castaño, 41,660
Tim W. Curington, 45,944
John J. Ryberg, 31,134
Brigitte L. Jeffery, 38,925
Victor Segura, 44,329
Wayne I. Kanak, 35,564

John H. Bouchard, 29,286
Jeff Daly, 44,640
Patrick S. Yoder, 37,479
Diana M. Sangalli, 40,798
Robert A. Van Someren, 36,038
Michael G. Fletcher, 32,777

**Direct all correspondence to:
Patent Counsel
Schlumberger Reservoir Completions
Schlumberger Technology Corporation
P.O. Box 1590
Rosharon, Texas 77583-1590**



Joe Goss
Vice President
Schlumberger Technology Corporation



Date Signed

ASSIGNMENT

WHEREAS, We, Peter J. Schrenkel, a citizen of the United States of America, residing at 3717 Elizabeth Drive, Carrollton, TX 75007; Terry E. Hix, a citizen of the United States of America, residing at RT. 1 Box 309, Blanchard, OK 73010; Arthur M. Bedgood, a citizen of the United States of America, residing at 5808 Stoneleigh, Tyler, TX 75703; Christopher P. Brown, a citizen of the United States of America, residing at 2716 Stanford, Flower Mound, TX 75022; and Albert G. Ollre IV, a citizen of the United States of America, residing at 1643 Berkoff, Sugar Land, TX 77479, hereinafter referred to as the "Inventors", have made inventions and improvements in: *PRODUCTION PROFILE DETERMINATION AND MODIFICATION SYSTEM* which are the subject of an application for Letters Patent of the United States of America, executed by us on the date(s) indicated below, (Docket No. 89.0493), hereinafter referred to as the "Invention(s)".

AND WHEREAS, SCHLUMBERGER TECHNOLOGY CORPORATION, hereinafter referred to as "said COMPANY", a corporation duly organized, incorporated and existing under the laws of the State of Texas, and having a place of business at 300 Schlumberger, Sugar Land, Texas 77478 is desirous of acquiring or confirming its acquisition of the entire right, title and interest in and to the Invention(s), and in and to said application, and in and to any and all patents, both of the United States and of all foreign countries, that may be obtained therefore.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that we the Inventors, for good and valuable considerations, the receipt and sufficiency of which hereby acknowledge, have sold, assigned, transferred and conveyed, and by this assignment do sell, assign, transfer and convey, unto said COMPANY, its successors and assigns, the entire right, title and interest throughout the world, in and to the Invention(s), described or set forth in said application, in any form or embodiment thereof, and in and to said application, and in and to any applications filed in any foreign country based thereon, including the right to file foreign applications under the provisions of any convention or treaty; and in and to any confirmation, divisional, continuation, continuation-in-part, or substitute application which may be filed on the Invention(s) in the United States or in any foreign country; and in and to any and all patents, certificates, utility models, reissues, extensions, additions or confirmations thereof which may be granted in the United States or in any foreign country upon the Invention(s).

TO HAVE AND TO HOLD the same to the full end of the term or terms for which any and all such United States and foreign patents and grants may be issued on the Invention(s).

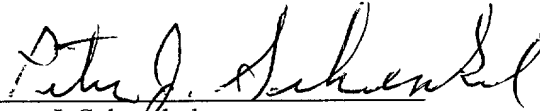
AND we do hereby authorize and request the issuing authority to issue any and all of said United States and foreign patents on said application or applications to said COMPANY, its successors and assigns, as the assignee of the entire right, title and interest in and to the same, for the sole use and benefit of said COMPANY, its successors and assigns.

AND we do hereby covenant and warrant that we have full right to convey the entire right, title and interest herein assigned free and clear of all licenses, encumbrances and liens whatsoever, and that we have not executed and will not execute any instruments in conflict herewith.

AND we, for the conditions aforesaid, do hereby covenant and agree to and with the said COMPANY, its successors and assigns, that we, our executors, administrators, or other personal representatives, shall and will do all lawful acts and things, make all rightful oaths, and make, execute and deliver any and all other instruments in writing, and any and all further applications, papers, powers, affidavits, assignments, disclaimers and other documents, which in the opinion of counsel for said COMPANY, its successors and assigns, may be required or necessary in this or in any foreign country more effectually to secure and vest in said COMPANY, its successors and assigns, the entire right, title and interest in and to the Invention(s), and any related application or applications, patents, rights, titles, benefits, privileges, and advantages hereby sold, assigned, confirmed, transferred and conveyed.

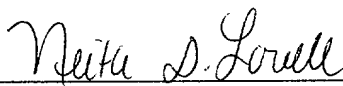
IN WITNESS WHEREOF, I, Peter J. Schrenkel have hereunto set my hand and seal this

14 December, 2001.


Peter J. Schrenkel

STATE OF TEXAS §
 §
COUNTY OF Midland §

BEFORE ME, this 14 December, 2001 personally appeared Peter J. Schrenkel , to me known to be the person who is described in and who executed the foregoing assignment instrument, and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.


Notary Public in and for the State of Texas

SEAL

My Commission Expires: 3/5/02

IN WITNESS WHEREOF, I, Terry E. Hix have hereunto set my hand and seal this

12-14, 2001.

Terry E. Hix
Terry E. Hix

STATE OF TEXAS §

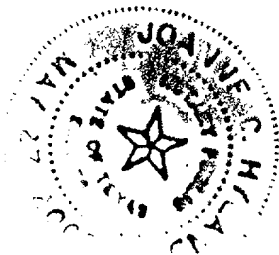
COUNTY OF BRAZORIA §

BEFORE ME, this December 14, 2001 personally appeared Terry E. Hix, to me known to be the person who is described in and who executed the foregoing assignment instrument, and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.

Joanne C. Colyand
Notary Public in and for the State of Texas

SEAL

My Commission Expires: 5/27/03



10025410 121901


IN WITNESS WHEREOF, I, Arthur M. Bedgood have hereunto set my hand and seal this

December 17, 2001.


Arthur M. Bedgood

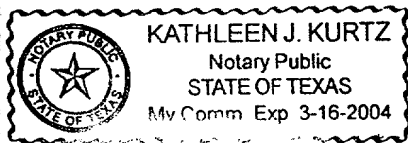
STATE OF TEXAS §
COUNTY OF Smith §

BEFORE ME, this December 17, 2001 personally appeared Arthur M. Bedgood, to me known to be the person who is described in and who executed the foregoing assignment instrument, and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.


Notary Public in and for the State of Texas

SEAL

My Commission Expires: _____



10065410-151901

IN WITNESS WHEREOF, I, Christopher P. Brown have hereunto set my hand and seal this

12/14, 2001.

Christopher P. Brown
Christopher P. Brown

STATE OF TEXAS §

COUNTY OF Brazoria §

BEFORE ME, this December 14, 2001 personally appeared Christopher P. Brown ,
to me known to be the person who is described in and who executed the foregoing assignment
instrument, and acknowledged to me that he executed the same of his own free will for the purpose
therein expressed.

Joanne C. Highland
Notary Public in and for the State of Texas

SEAL

My Commission Expires: 5/27/03



FOOTER "OFFSHOOT"

IN WITNESS WHEREOF, I, Albert G. Ollre have hereunto set my hand and seal this

14 Dec, 2001.

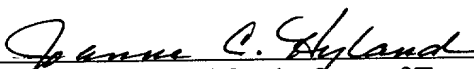


Albert G. Ollre IV

STATE OF TEXAS §

COUNTY OF Brazoria §

BEFORE ME, this December 14, 2001 personally appeared Albert G. Ollre, to me known to be the person who is described in and who executed the foregoing assignment instrument, and acknowledged to me that he executed the same of his own free will for the purpose therein expressed.



Notary Public in and for the State of Texas

SEAL

My Commission Expires: 5/27/03



10025410 121901

STATEMENT UNDER 37 CFR 3.73(b)

Applicant: **Schlumberger Technology Corporation**

Application No.:

Docket No.: 89.0493

Entitled: Production Profile Determination and Modification System

Schlumberger Technology Corporation, a corporation, states that it is the assignee of the entire right, title, and interest in the patent application identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel: _____, Frame _____, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s) of the patent application identified above to current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

- ☐ Copies of assignments or other documents in the chain of title are attached.

The undersigned is empowered to sign this statement on behalf of the assignee

Date: 12.17.01

Signature: _____

Joe Goss, Vice President

1006410 44504

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Applicant: Schrenkel et al.

Attorney Docket No: 89.0493

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For: Production Profile Determination and Modification System

Box PATENT APPLICATION
Assistant Commissioner for Patents
Washington, D.C. 20231

DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION

☒ Declaration Submitted with Initial Filing

☐ Declaration Submitted after Initial Filing

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Production Profile Determination and Modification System

CERTIFICATE OF MAILING UNDER 37 C.F.R. 1.8 & 1.10

I hereby certify that this document and its attachments are being sent on the date indicated below to the Assistant Commissioner for Patents, Washington D.C. 20231 by:

☐ facsimile to number _____

☐ first class mail.

☒ Express Mail: Post Office to Addressee No. EV 037 144 087 US

Date

12/19/01

Joanne Hyland

Application Number(s)	Filing Date

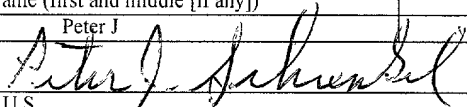
I hereby claim the benefit under Title 35, United States Code § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application Numbers	PCT Parent Number	Parent Filing Date	Parent Patent Number

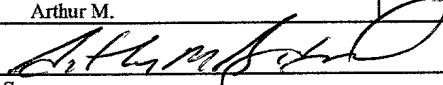
Direct all correspondence to:

**Patent Counsel
Schlumberger Reservoir Completions
Schlumberger Technology Corporation
P.O. Box 1590
Rosharon, Texas 77583**


I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor		<input type="checkbox"/> A petition has been filed for this unsigned inventor.					
Given Name (first and middle [if any])		Family Name or Surname					
Peter J		Schrenkel					
Inventor's Signature						Date	12/14/01
Citizenship	U.S.						
Residence Address	3717 Elizabeth Drive						
Residence City	Carrollton	State	TX	ZIP	75007	Country	U S
Post Office Address	3717 Elizabeth Drive						
City	Carrollton	State	TX	ZIP	75007	Country	U.S.

Name of Additional Inventor					<input type="checkbox"/> A petition has been filed for this unsigned inventor.		
Given Name (first and middle [if any])					Family Name or Surname		
Terry E.					Hix		
Inventor's Signature	<i>Terry E. Hix</i>					Date	12-14-01
Citizenship	U.S.						
Residence Address	RT. 1 Box 309						
Residence: City	Blanchard	State	OK	ZIP	73010	Country	U.S.
Post Office Address	Rt. 1 Box 309						
City	Blanchard	State	OK	ZIP	73010	Country	U.S.

Name of Additional Inventor		<input type="checkbox"/> A petition has been filed for this unsigned inventor.					
Given Name (first and middle [if any])				Family Name or Surname			
Arthur M.				Bedgood			
Inventor's Signature						Date	12-17-2001
Citizenship	U.S.						
Residence Address	5808 Stoneleigh						
Residence: City	Tyler	State	TX	ZIP	75703	Country	U.S.
Post Office Address	5805 Stoneleigh						
City	Tyler	State	TX	ZIP	75703	Country	U.S.

Name of Additional Inventor		<input type="checkbox"/> A petition has been filed for this unsigned inventor.					
Given Name (first and middle [if any])				Family Name or Surname			
Christopher Patrick				Brown			
Inventor's Signature	<i>Christopher Patrick Brown</i>					Date	12/14/2001
Citizenship	U.S.						
Residence Address	2716 Stanford						
Residence: City	Flower Mound	State	TX	ZIP	75022	Country	U.S.
Post Office Address	2716 Stanford						
City	Flower Mound	State	TX	ZIP	75022	Country	U.S.

Name of Additional Inventor		<input type="checkbox"/> A petition has been filed for this unsigned inventor.					
Given Name (first and middle [if any])				Family Name or Surname			
Albert G.				Ollre IV			
Inventor's Signature						Date	14 Dec 01
Citizenship	U.S.						
Residence Address	1643 Berkoff						
Residence: City	Sugar Land	State	TX	ZIP	77479	Country	U.S.
Post Office Address	1643 Berkoff						
City	Sugar Land	State	TX	ZIP	77479	Country	U.S.